



IN REPLY REFER TO:

United States Department of the Interior

CALIFORNIA DEPARTMENT OF PARKS AND RECREATION

Redwood National and State Parks

1125 16th Street

Arcata, California 95521



CALIFORNIA STATE PARKS

Ozaki, 1997
file

June 24, 1997

Eddie Mendez
Barnum Timber Company
1630 Highland Avenue
Eureka, CA 95501

Dear Mr. Mendez,

I apologize for taking so long to send this information to you. As you requested, I have included the most current information on our cross section surveys for Redwood Creek. We have some information published in technical reports from the mid to early 1980's; however, most of that information is summarized in the enclosed published article on Redwood Creek.

Enclosed is a map of cross section locations on Redwood Creek. Also included are plots from cross sections surveyed last year. For each cross section there are three graphs. The top graph is a cross section plot of the earliest cross section survey, one mid-1980's and the 1996 survey. The middle graph is a comparison of the streambed profile at the cross section in 1996 to the last year surveyed. The bottom graph is a plot of the cumulative change in mean streambed elevation. We use it to show trends in streambed elevation at cross sections. In general, if the plot trends upwards the channel is infilling with sediment and if the plot trends downward it is scouring. I have also included a copy of an article that Mary Ann Madej and I recently published in Earth Surface Processes on a sediment wave in Redwood Creek.

I will send you copies of this years survey as soon as they are completed.

If you have any questions, please call me at 822-7611 x5443 or Mary Ann Madej at x5490.

Sincerely,

Vicki
Vicki Ozaki

RECEIVED JUN 30 1997



IN REPLY REFER TO:

United States Department of the Interior
CALIFORNIA DEPARTMENT OF PARKS AND RECREATION
Redwood National and State Parks
1125 16th Street
Arcata, California 95521



June 26, 1997

Eddie Mendez
Barnum Timber Company
1630 Highland Avenue
Eureka, CA 95501

Dear Mr. Mendez,

We have just completed the cross section surveys for Redwood Creek in Redwood Valley. Enclosed is a location map of the surveyed cross sections and three cross section plots (cross sections 34, 34a and 35). In general, it doesn't appear that a significant amount of change has occurred at cross sections in the valley as a result of winter high flows.

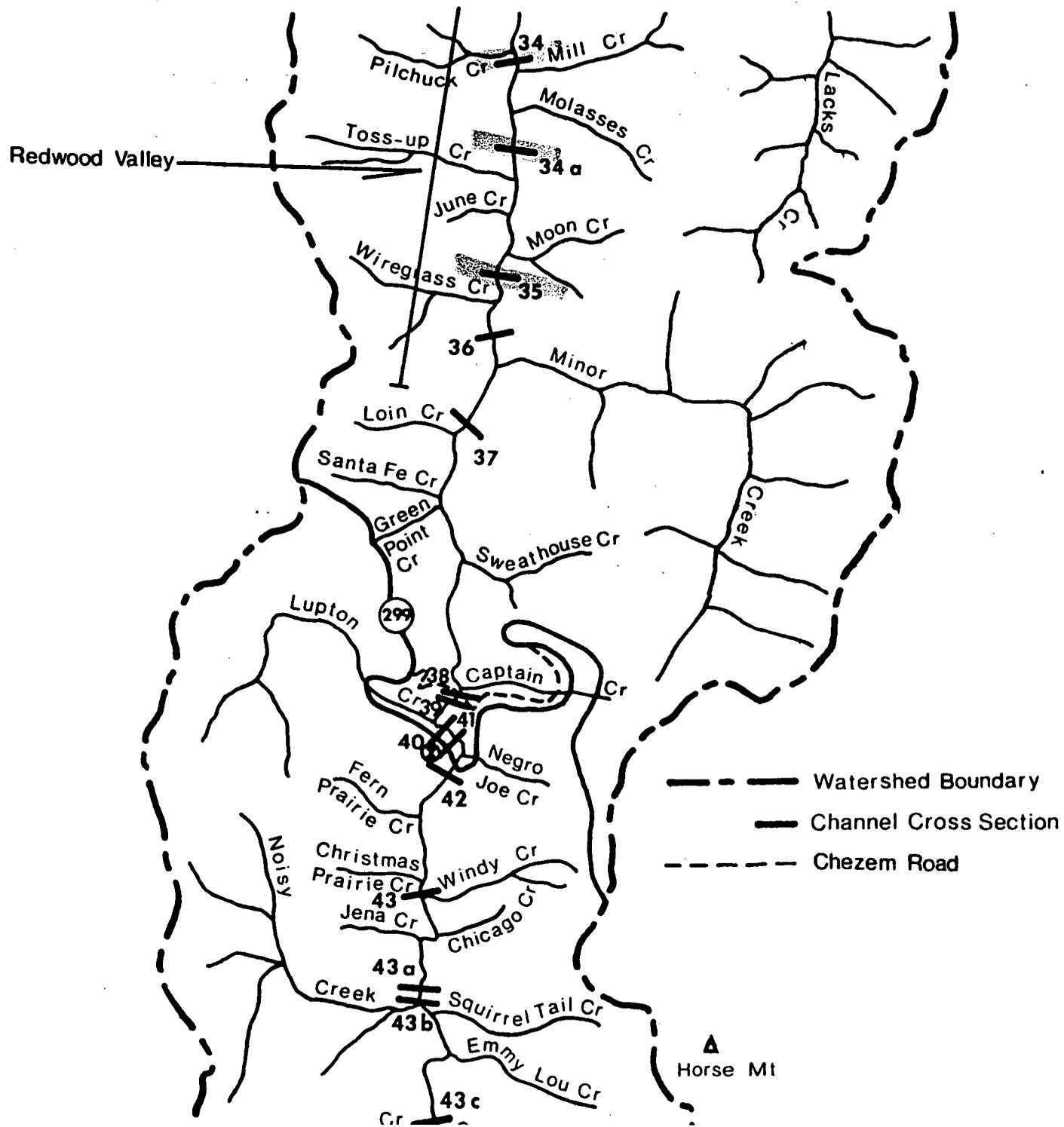
If you have any questions, please call me at 822-7611 x5443.

Sincerely,

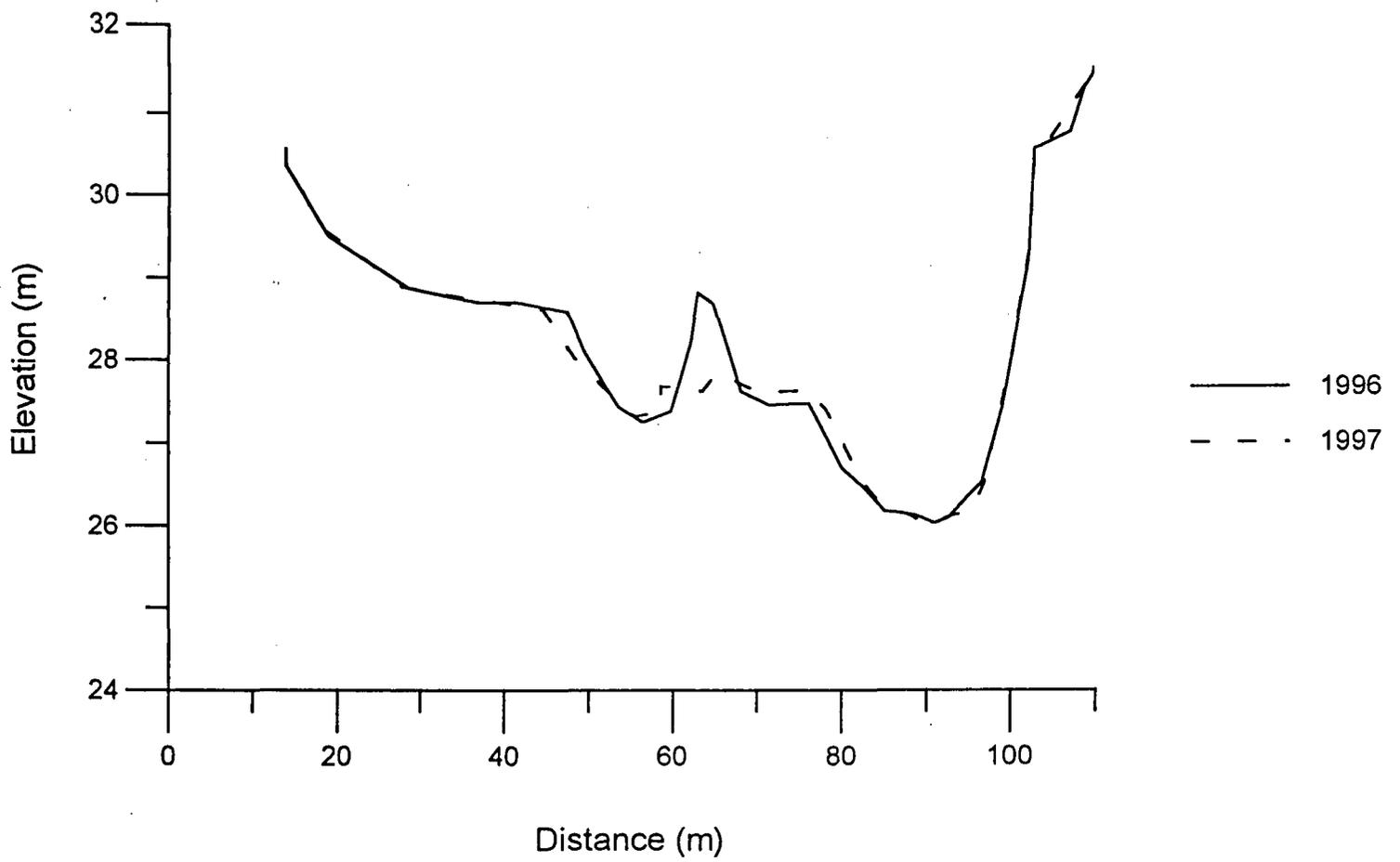
Vicki

Vicki Ozaki

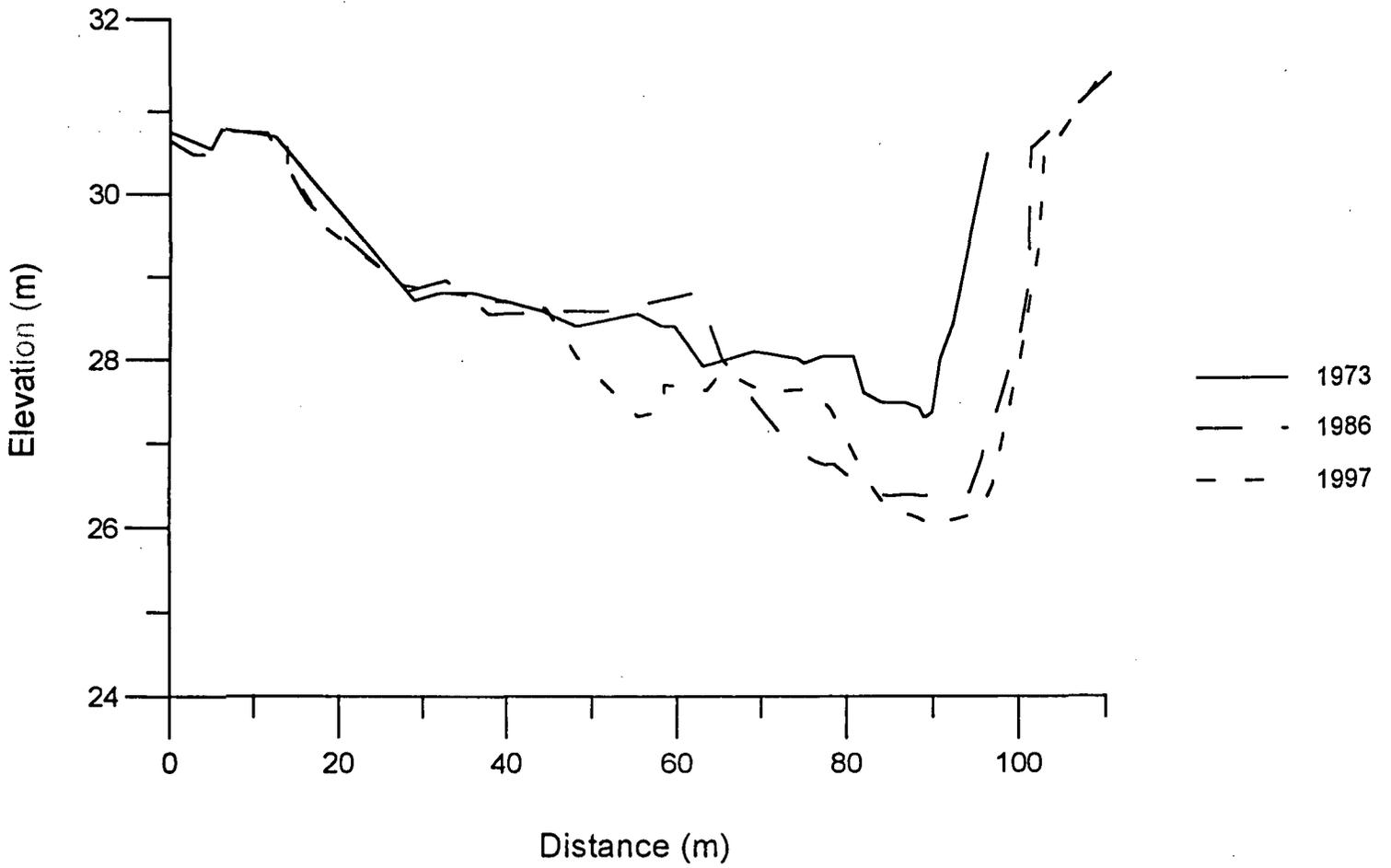
RECEIVED JUN 30 1997



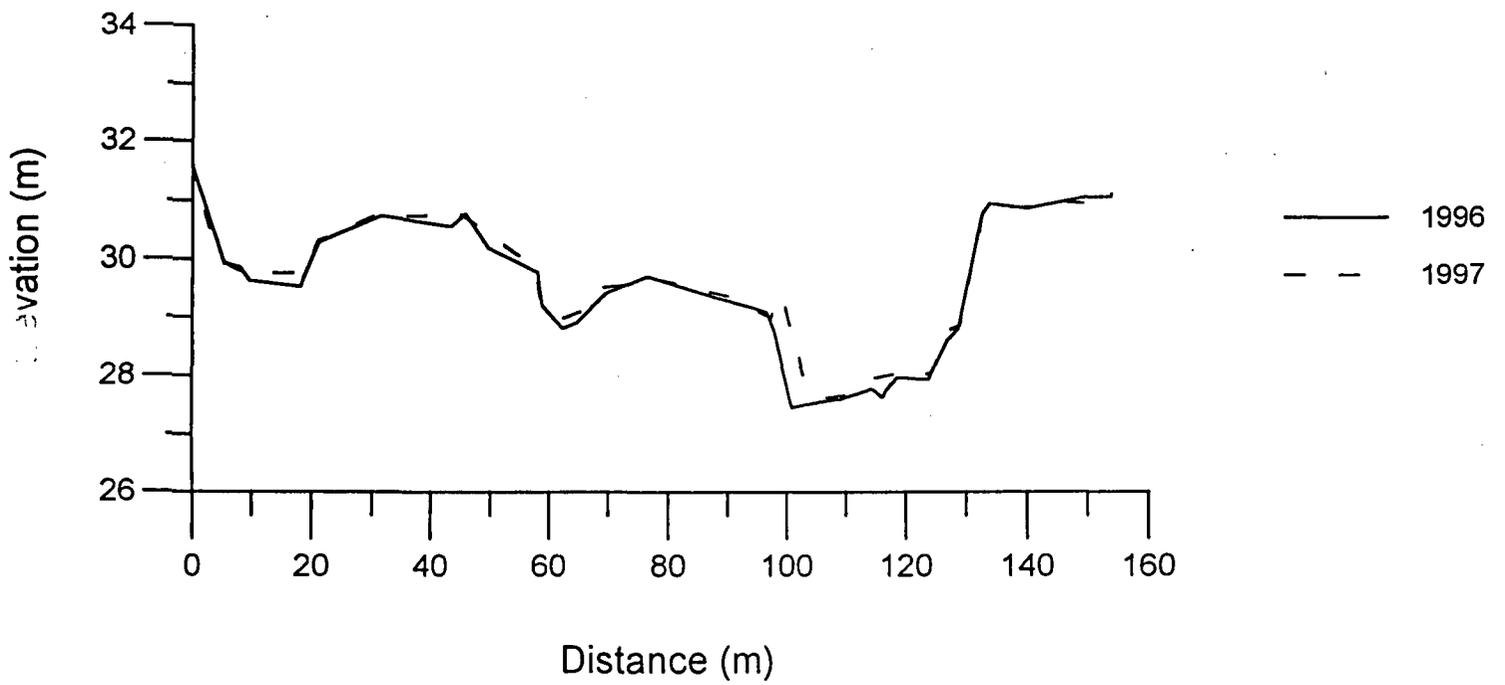
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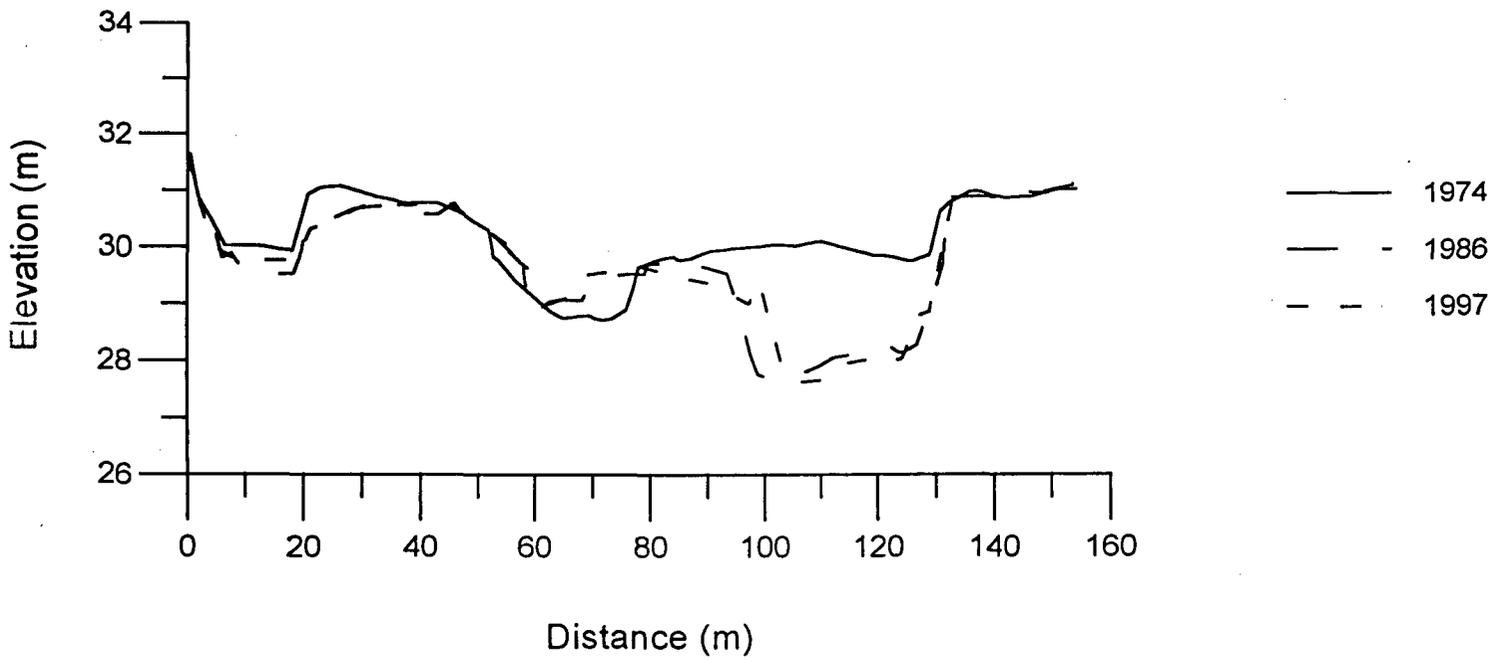
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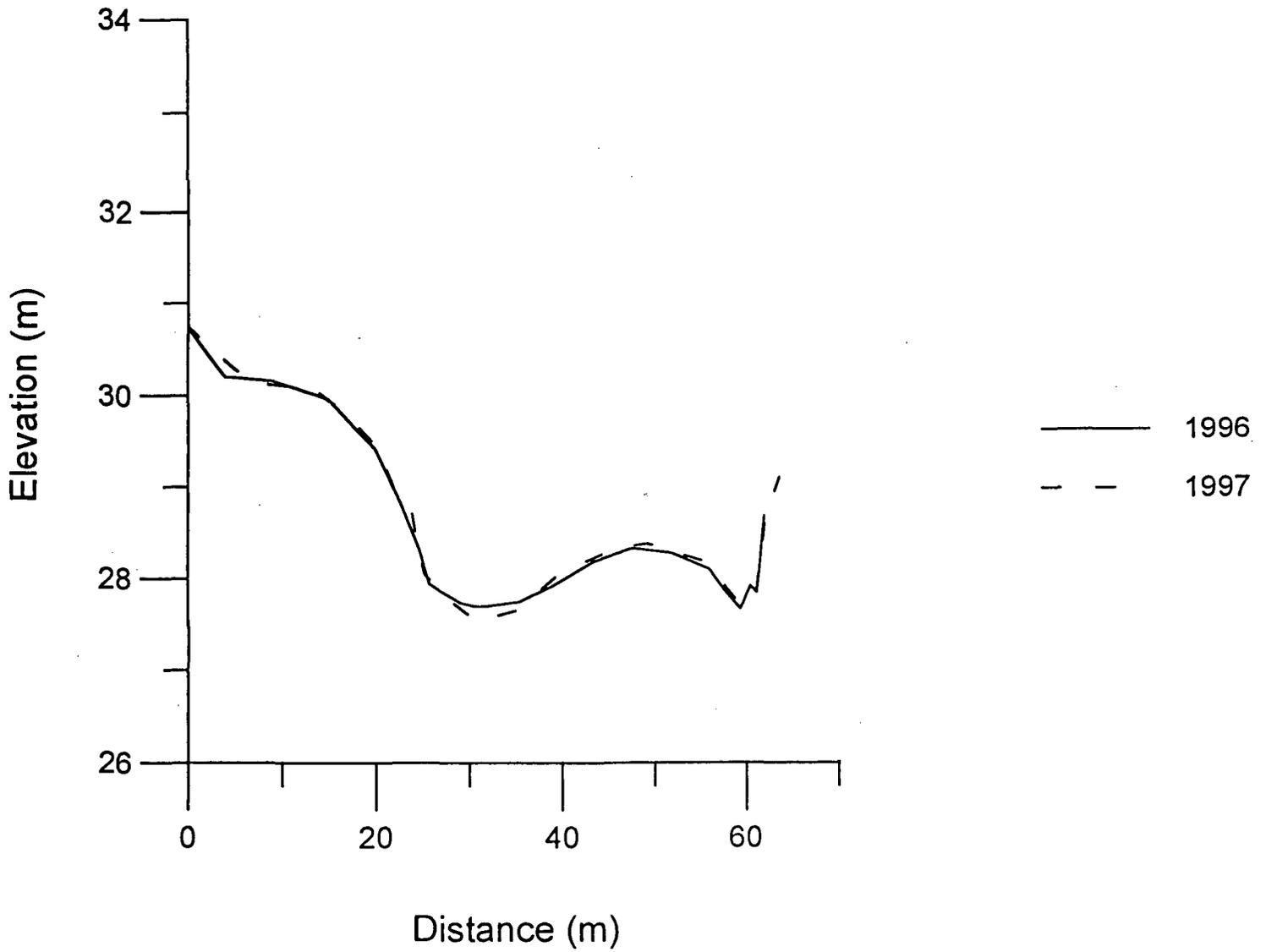
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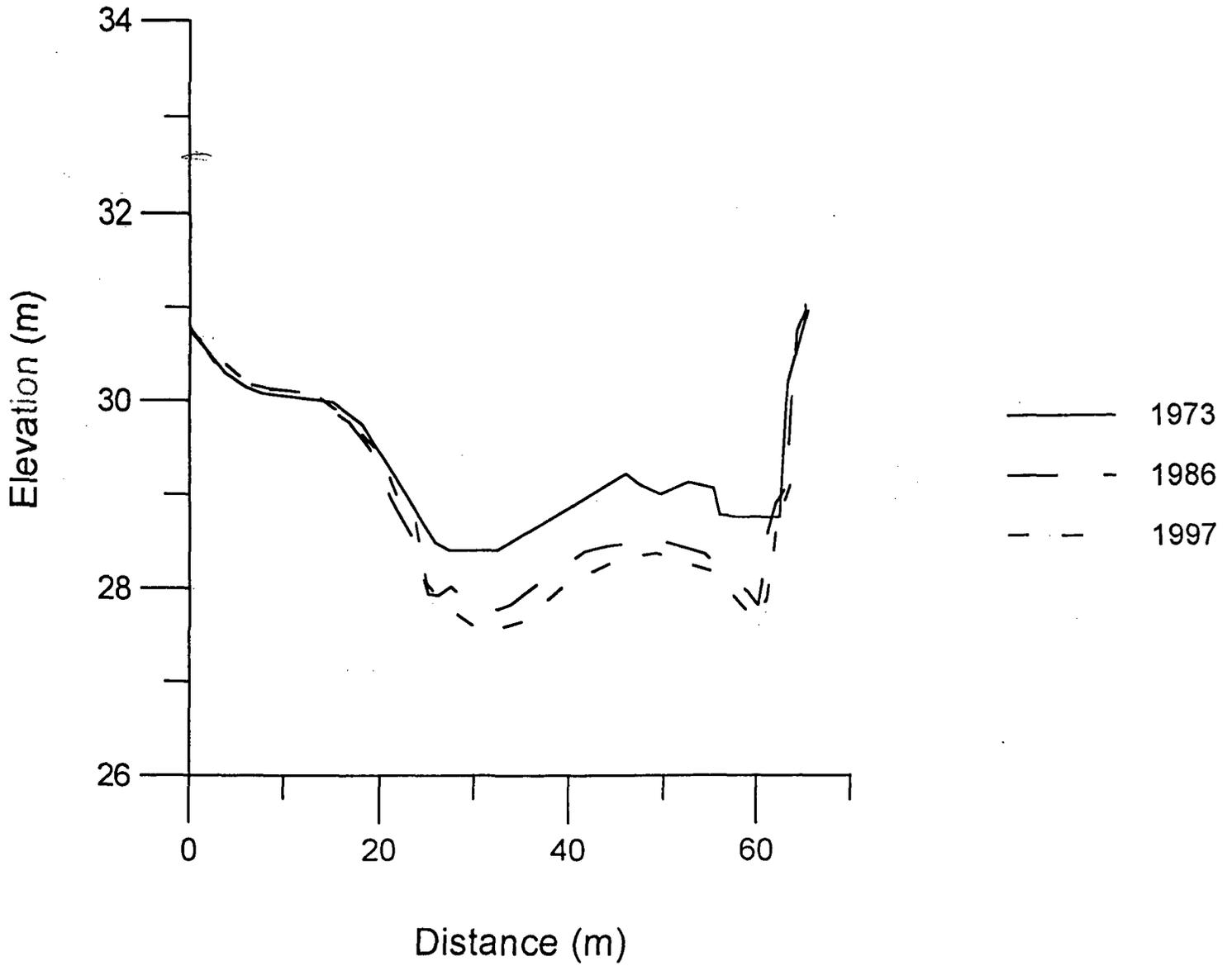
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Redwood Ck X/S 35



Redwood Ck X/S 35



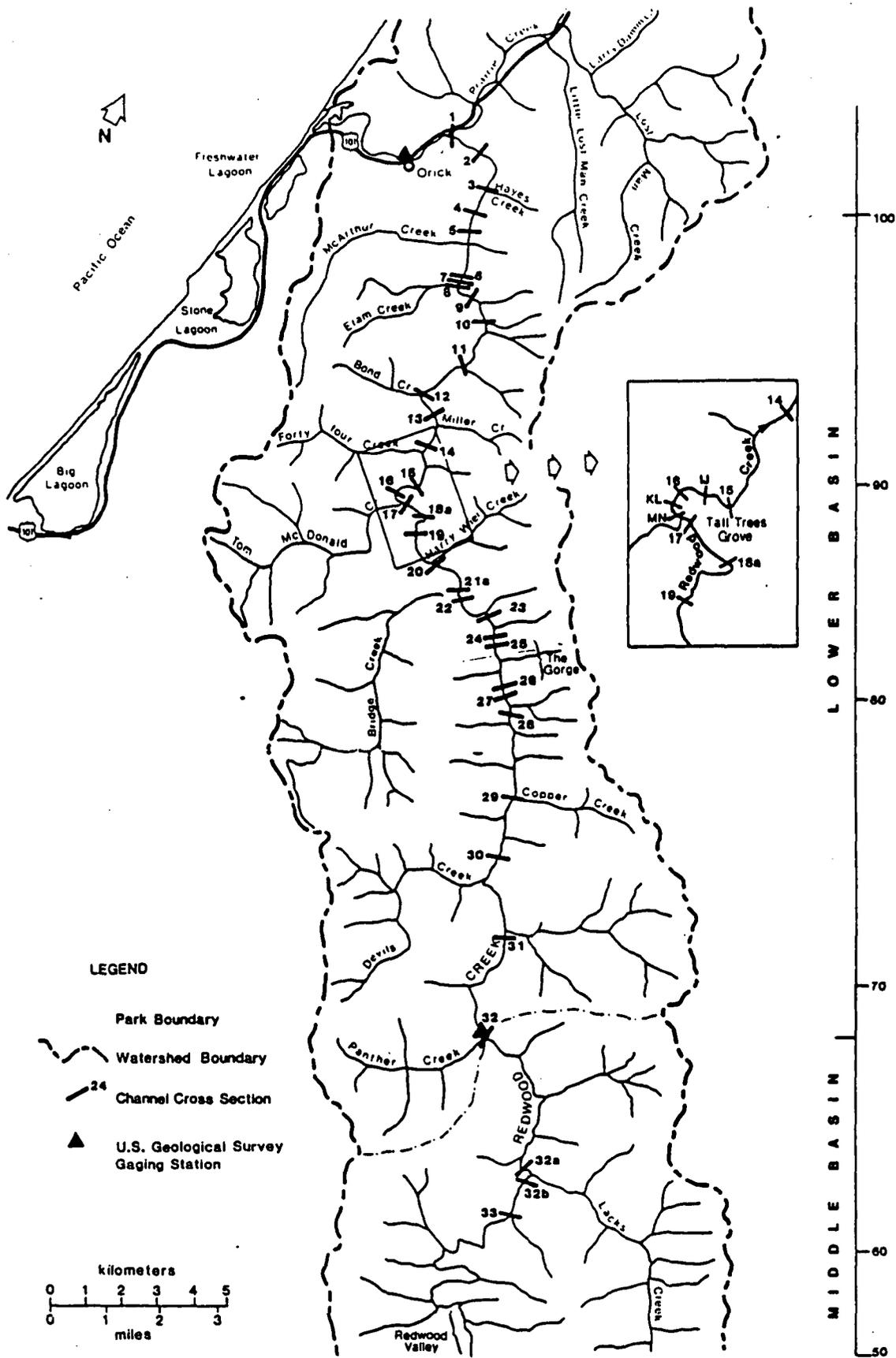


Figure 2. Location map of channel cross sections on Redwood Creek, CA.

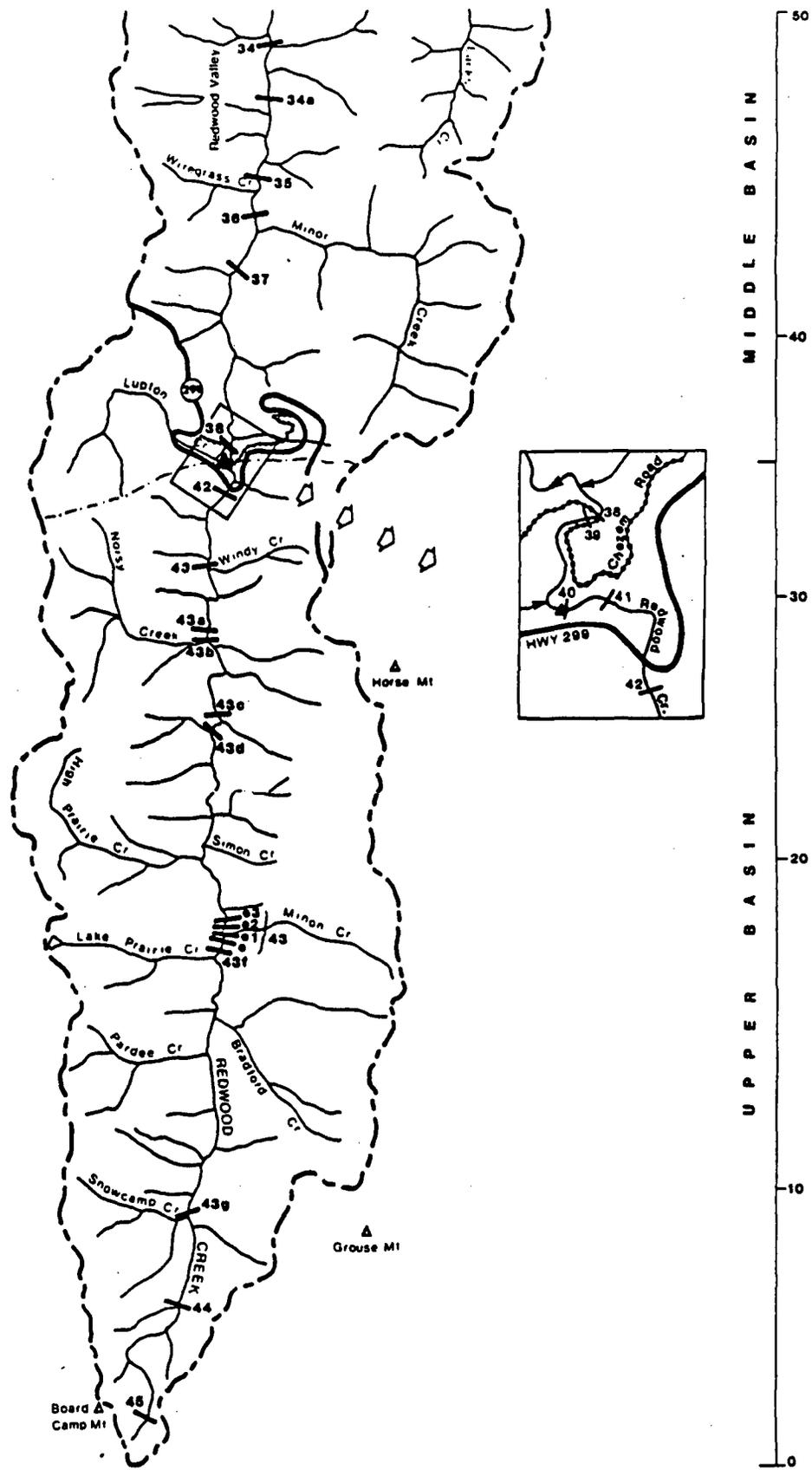


Figure 2. Location map of channel cross sections on Redwood Creek, CA.

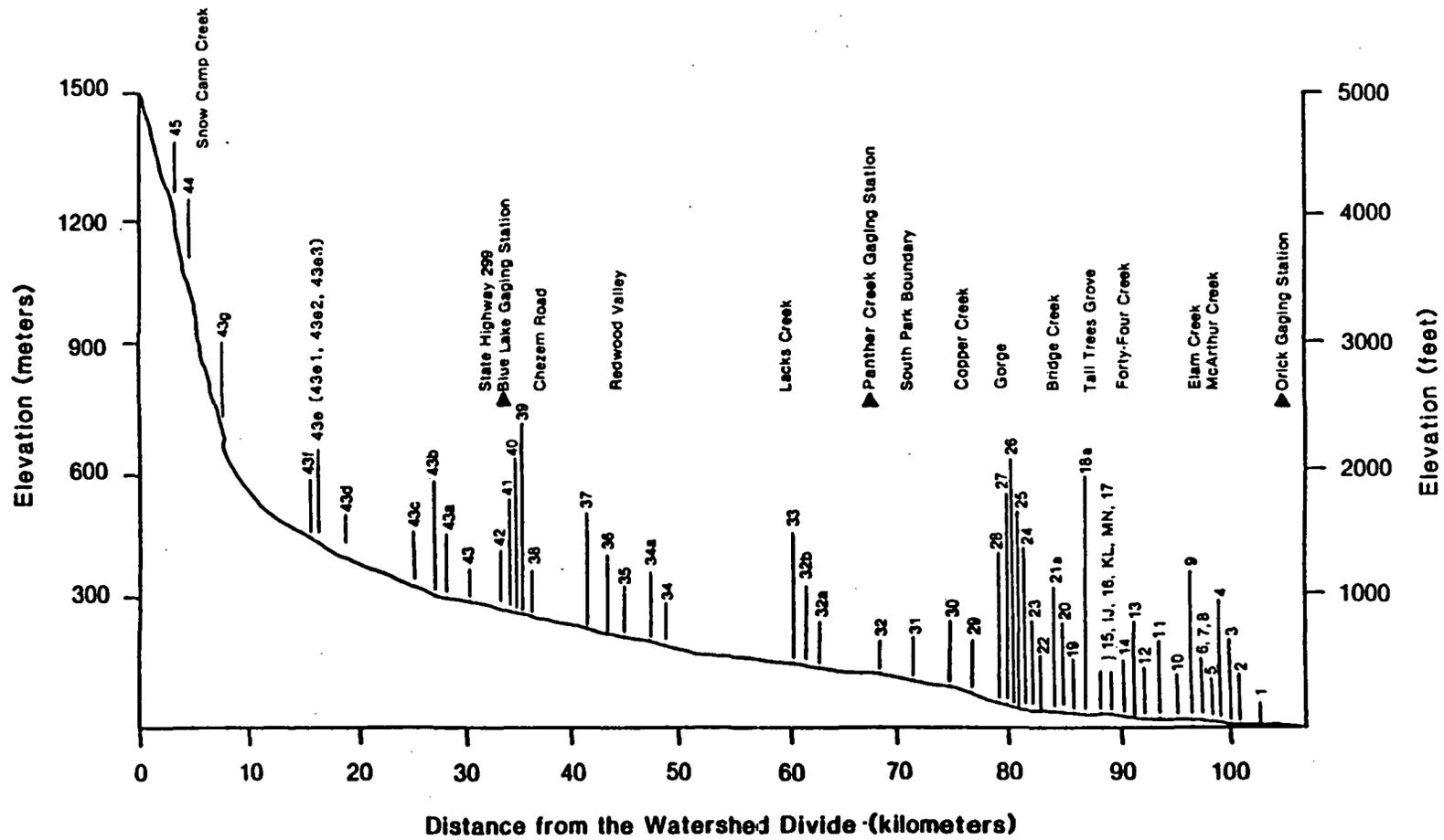
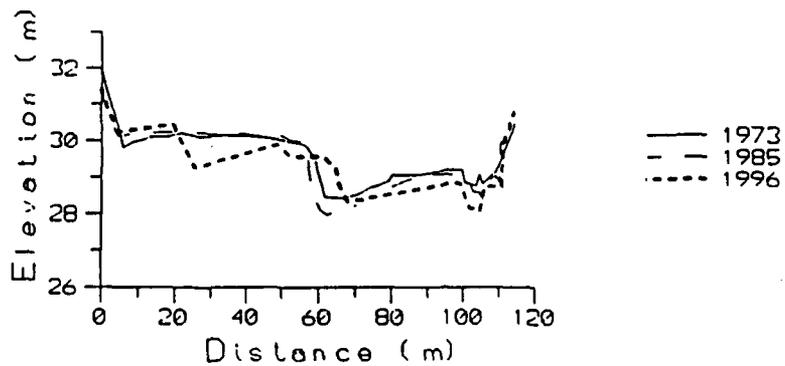
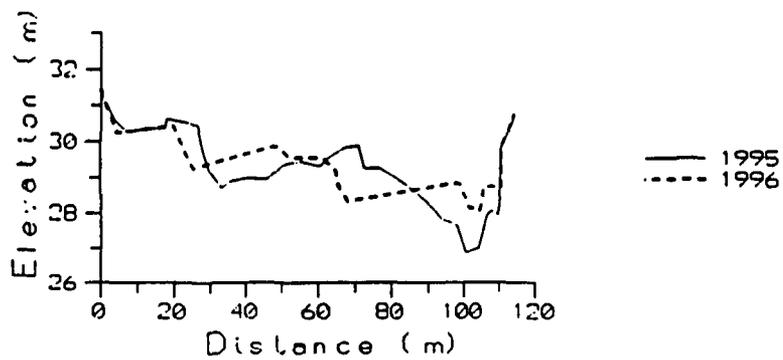


Figure 3. Longitudinal profile of Redwood Creek showing cross section locations, major tributaries and gaging stations.

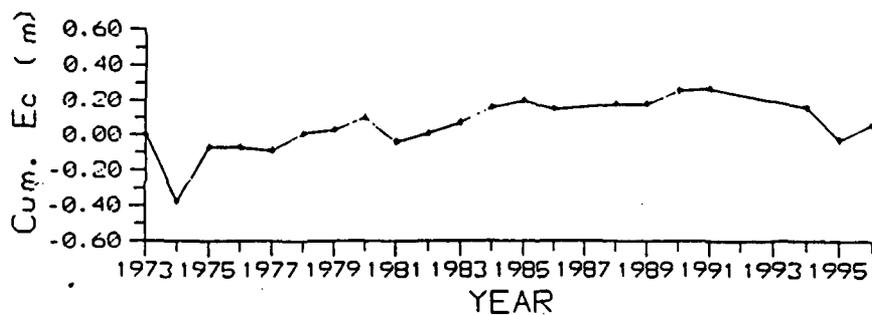
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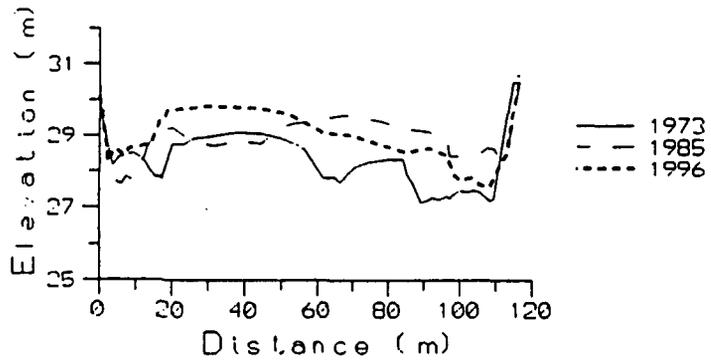
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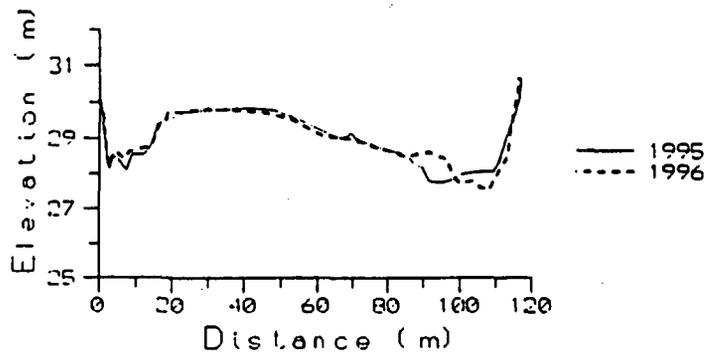
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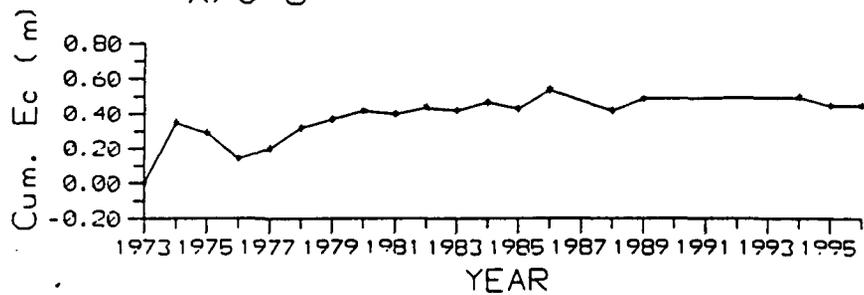
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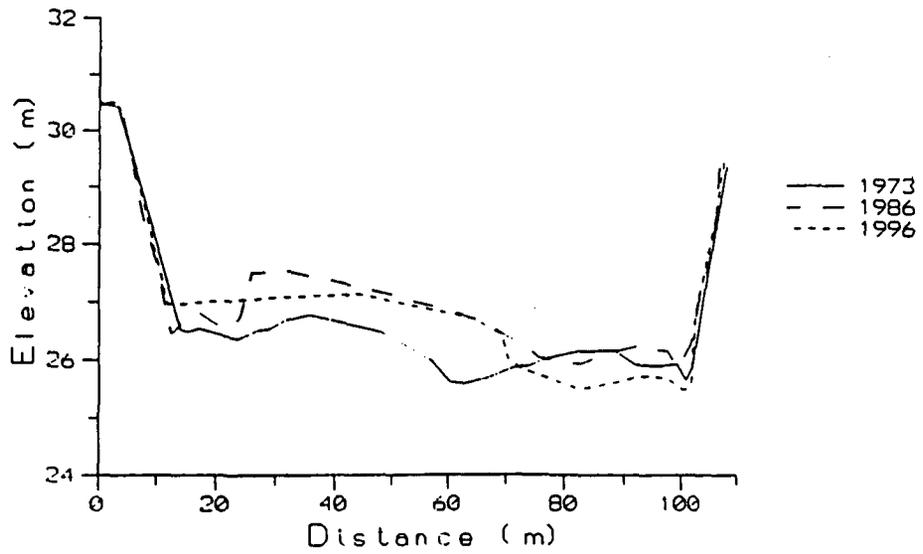
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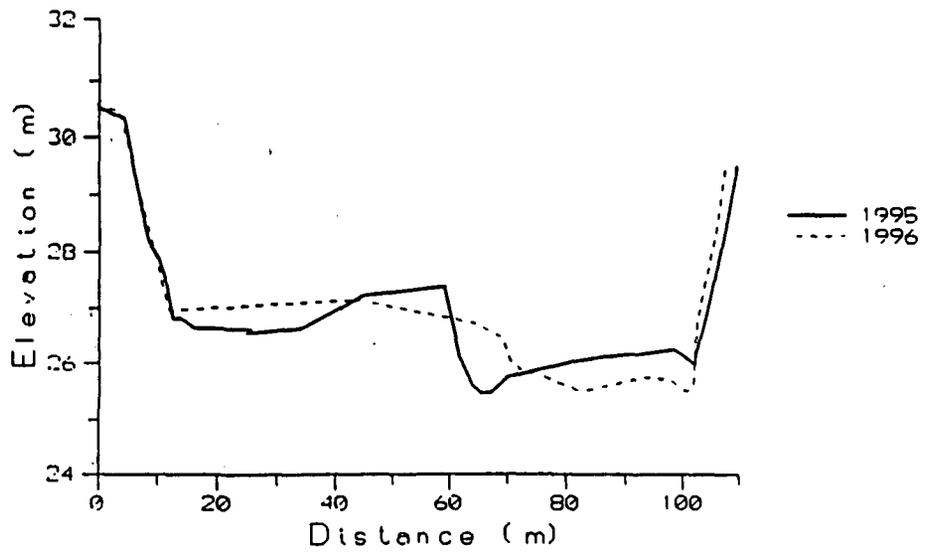
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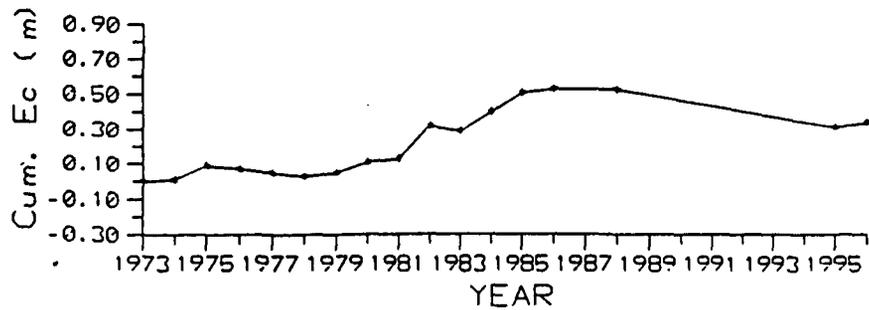
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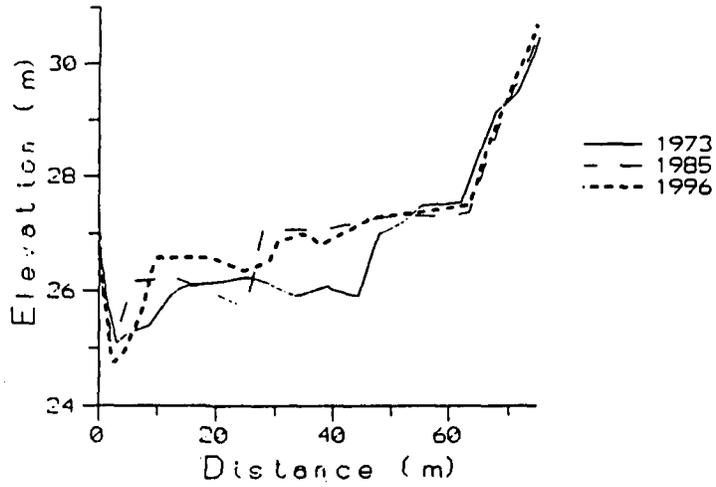
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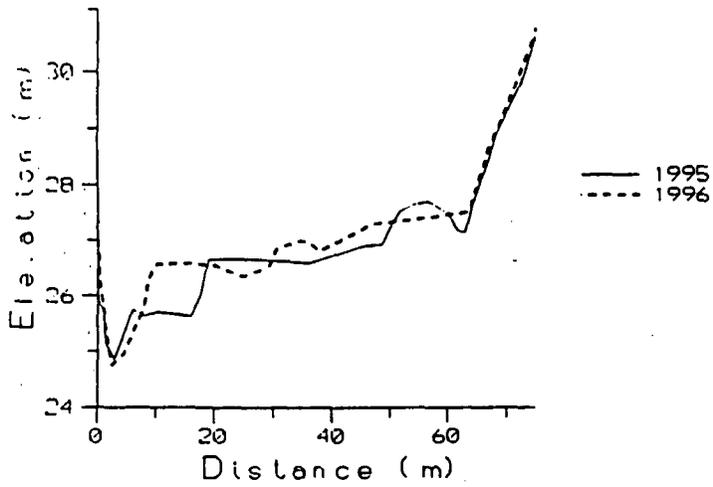
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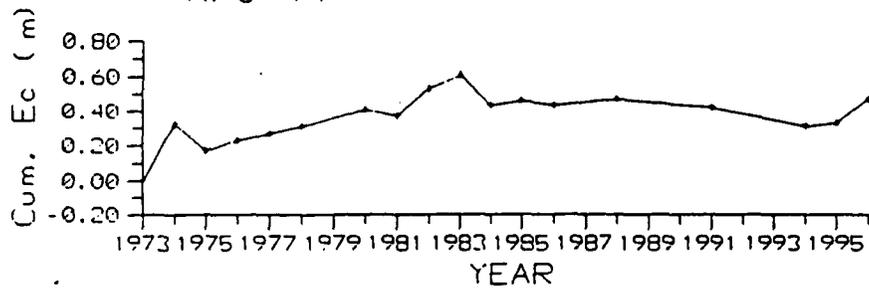
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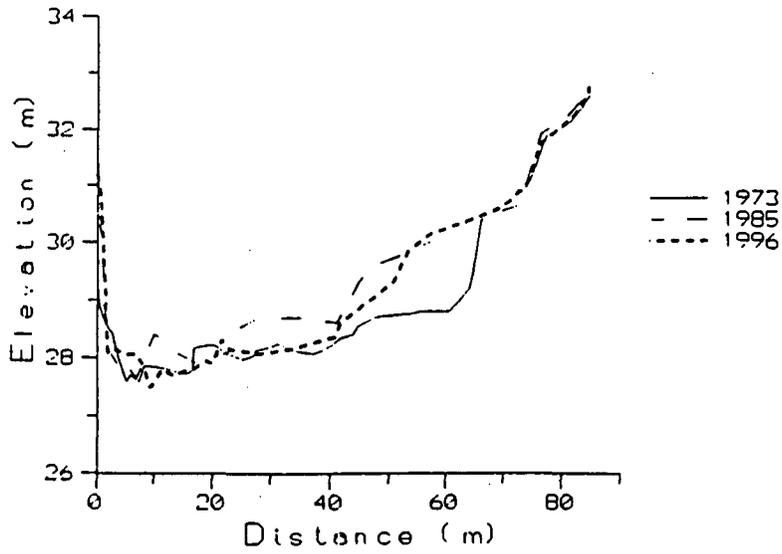
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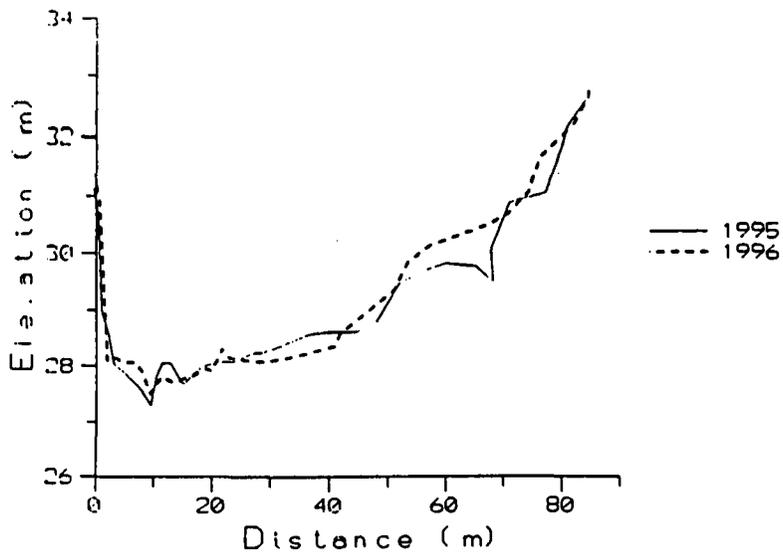
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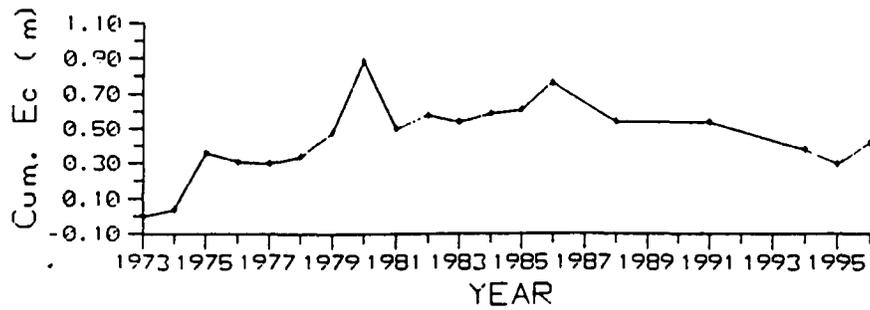
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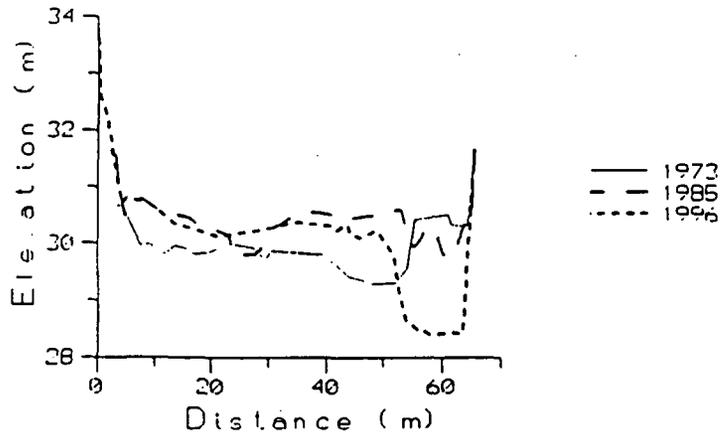
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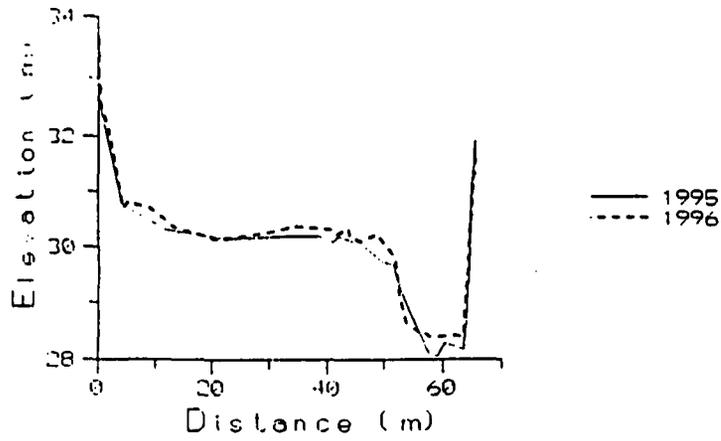
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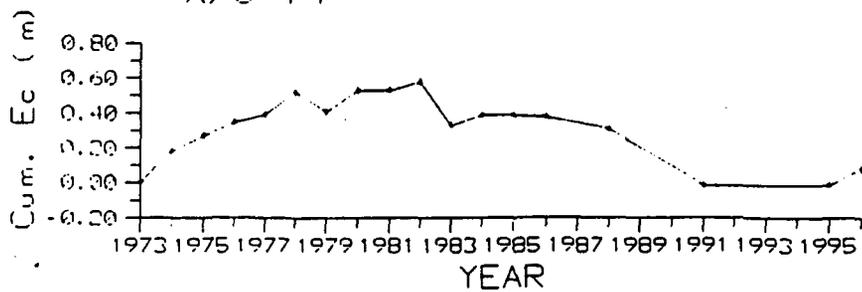
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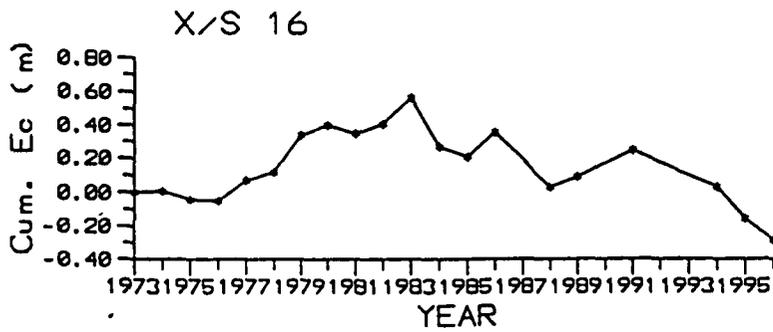
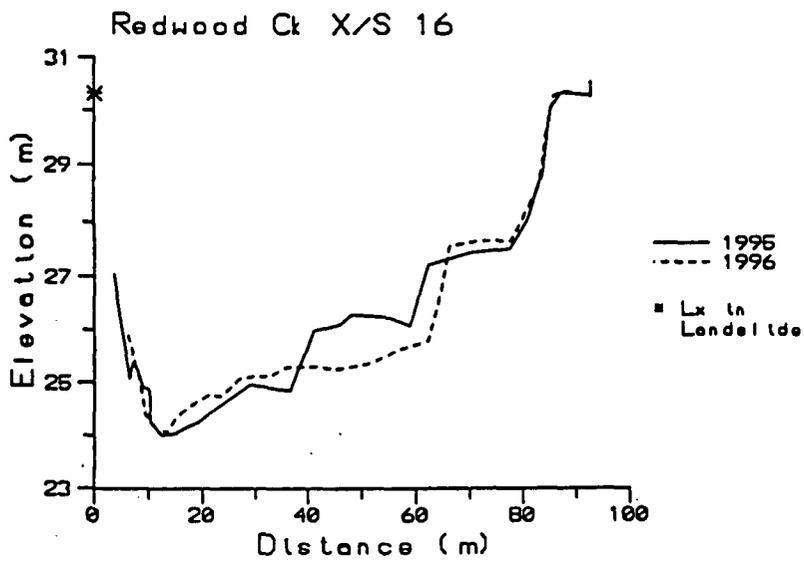
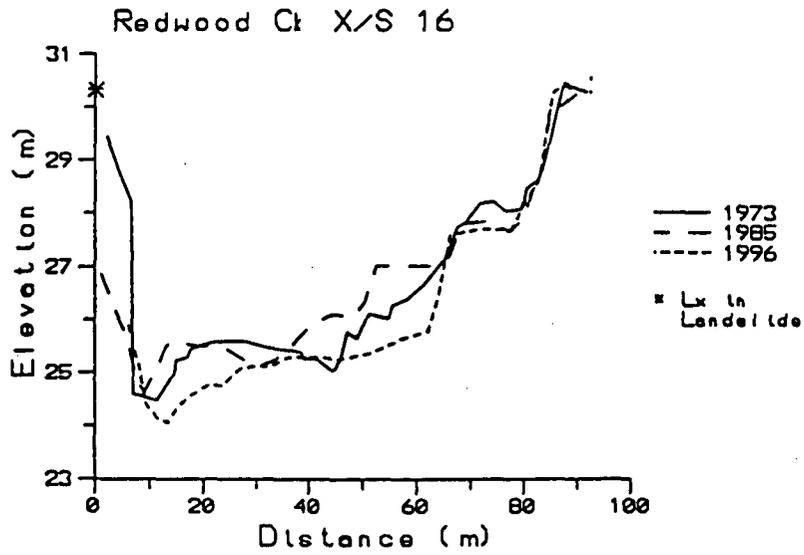


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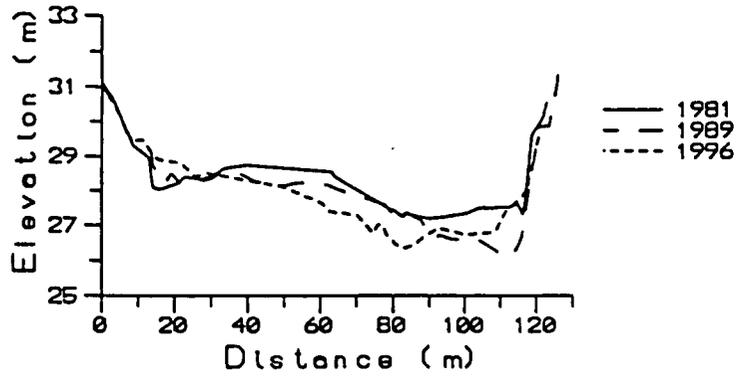


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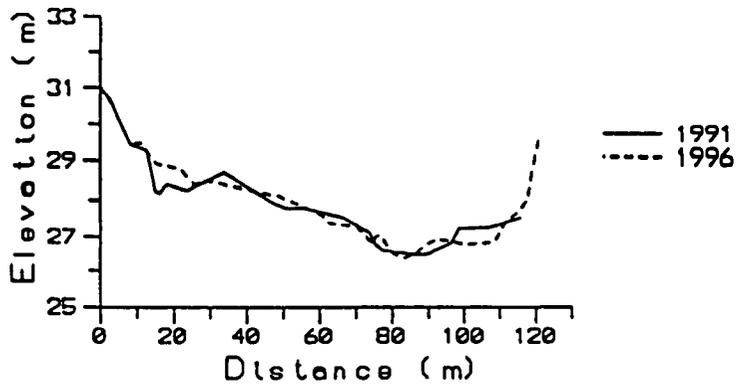




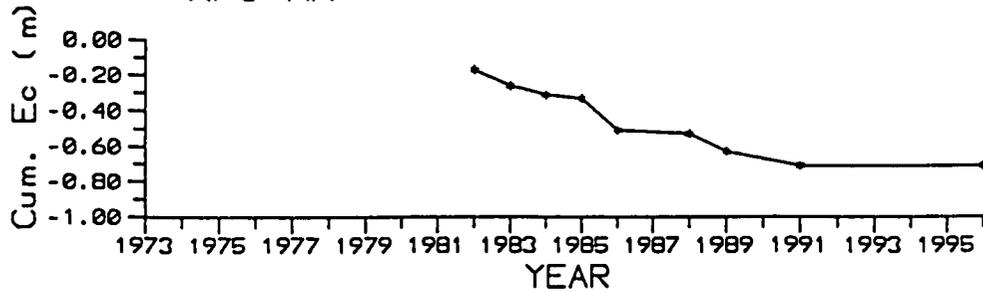
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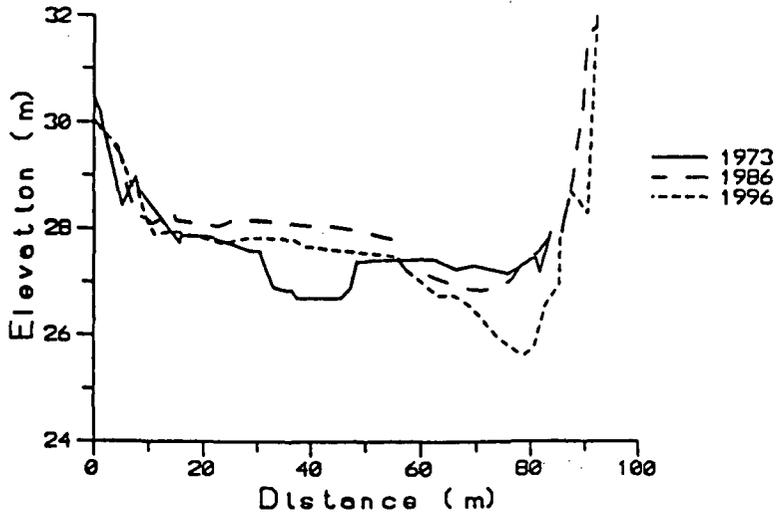
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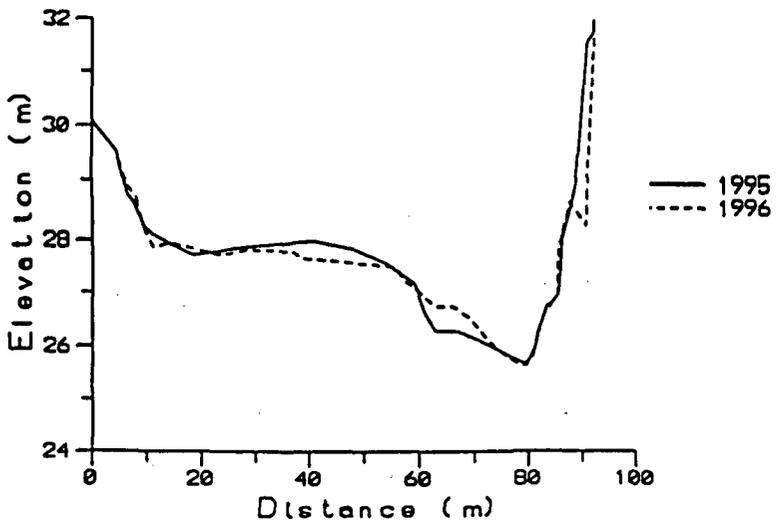
X/S MN



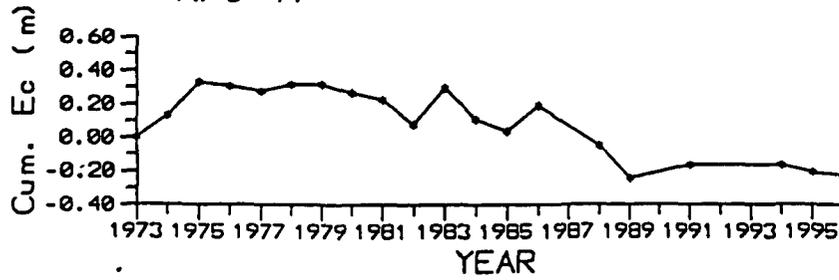
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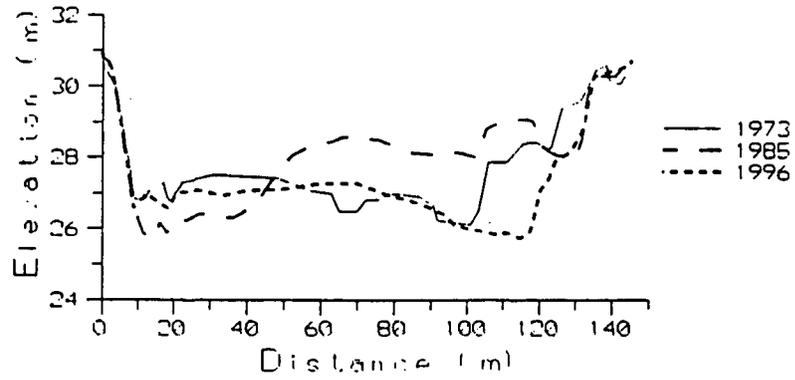
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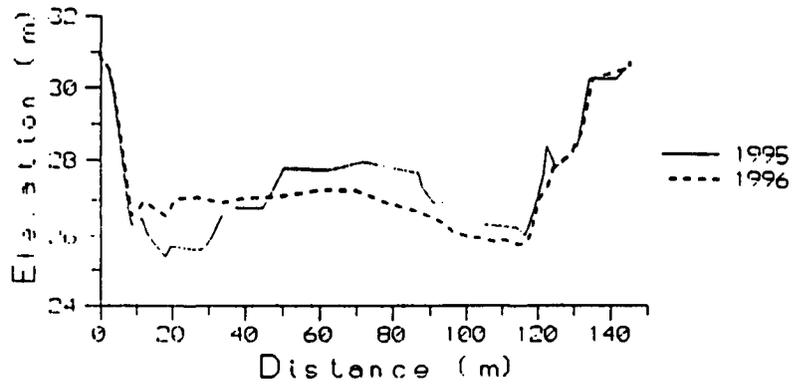
X/S 17



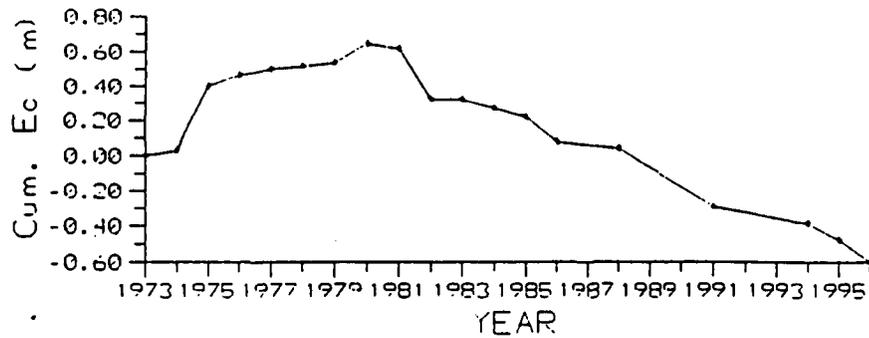
Redwood Ct X/S 19



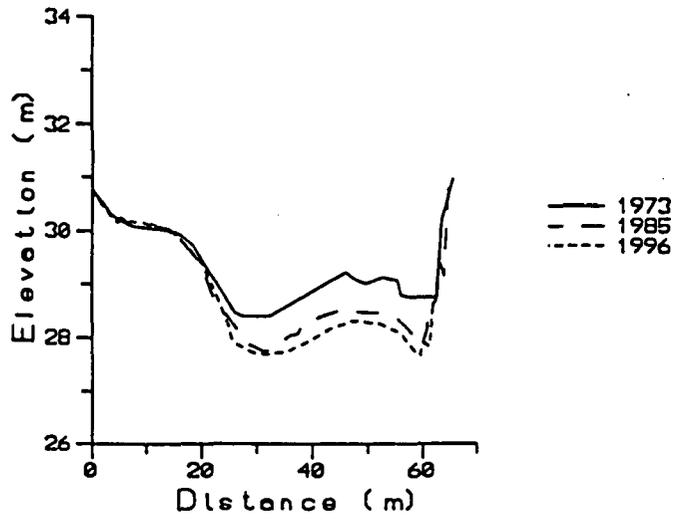
Redwood Ct X/S 19



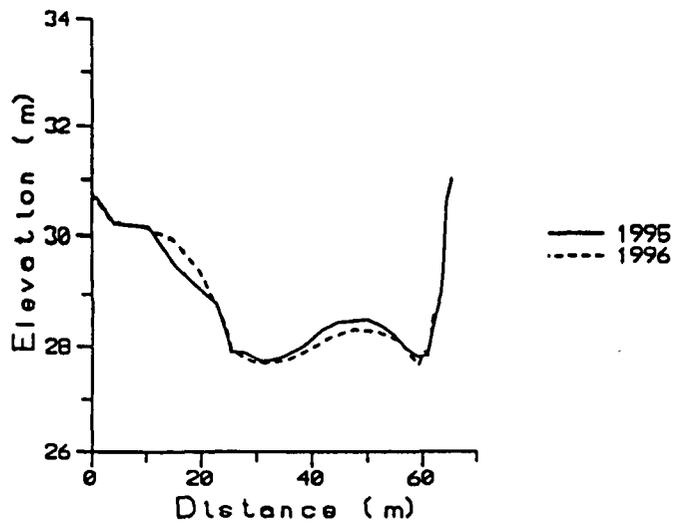
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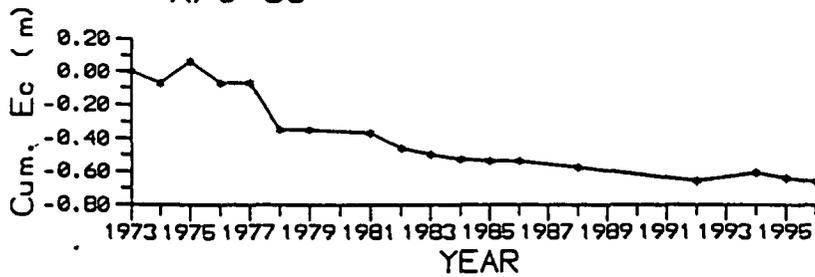
Redwood Ct X/S 35

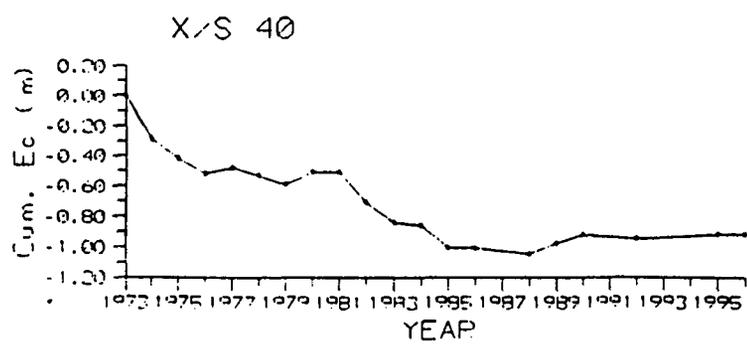
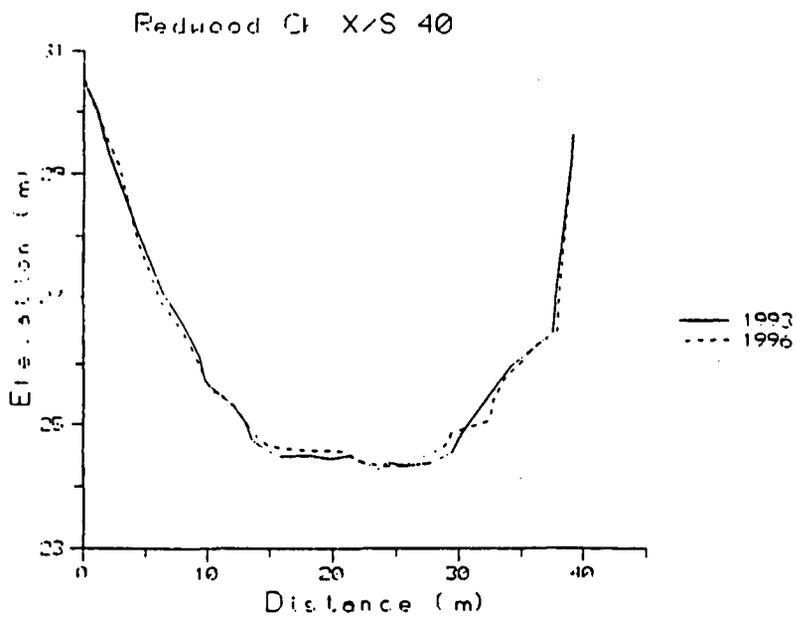
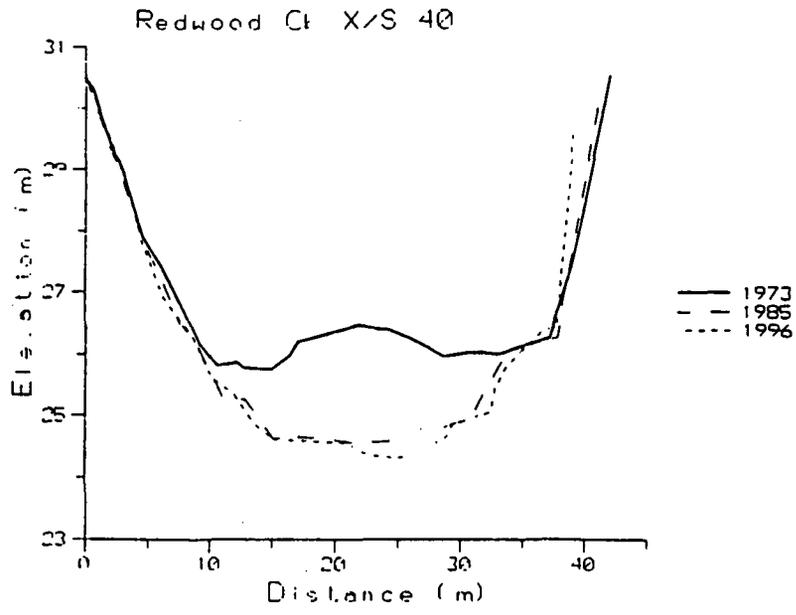


Redwood Ct X/S 35



X/S 35





Redwood Creek
Cross Section #40

Survey Dates

- 7/5/82 - - - - -
- 8/17/81 - - - - -
- 10/17/73 - - - - -
- 12/53 - - - - -

5x Vertical Exaggeration

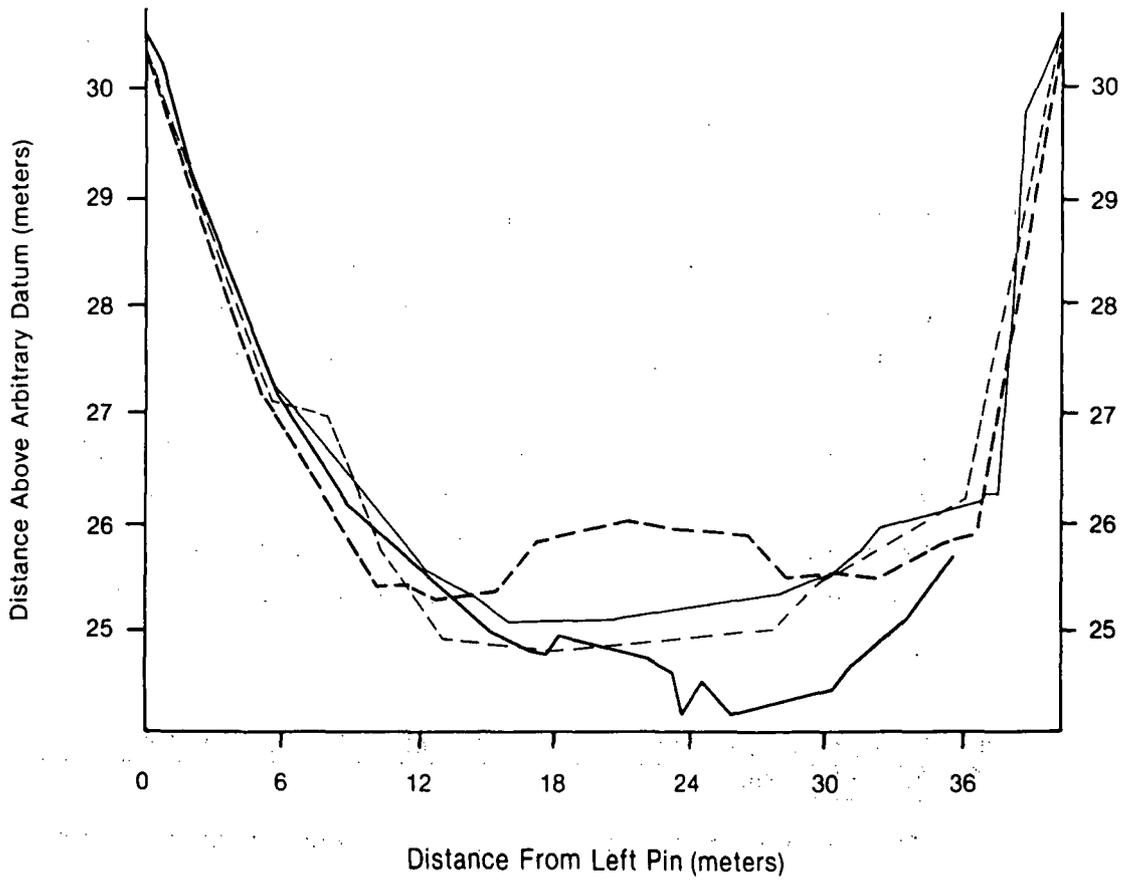
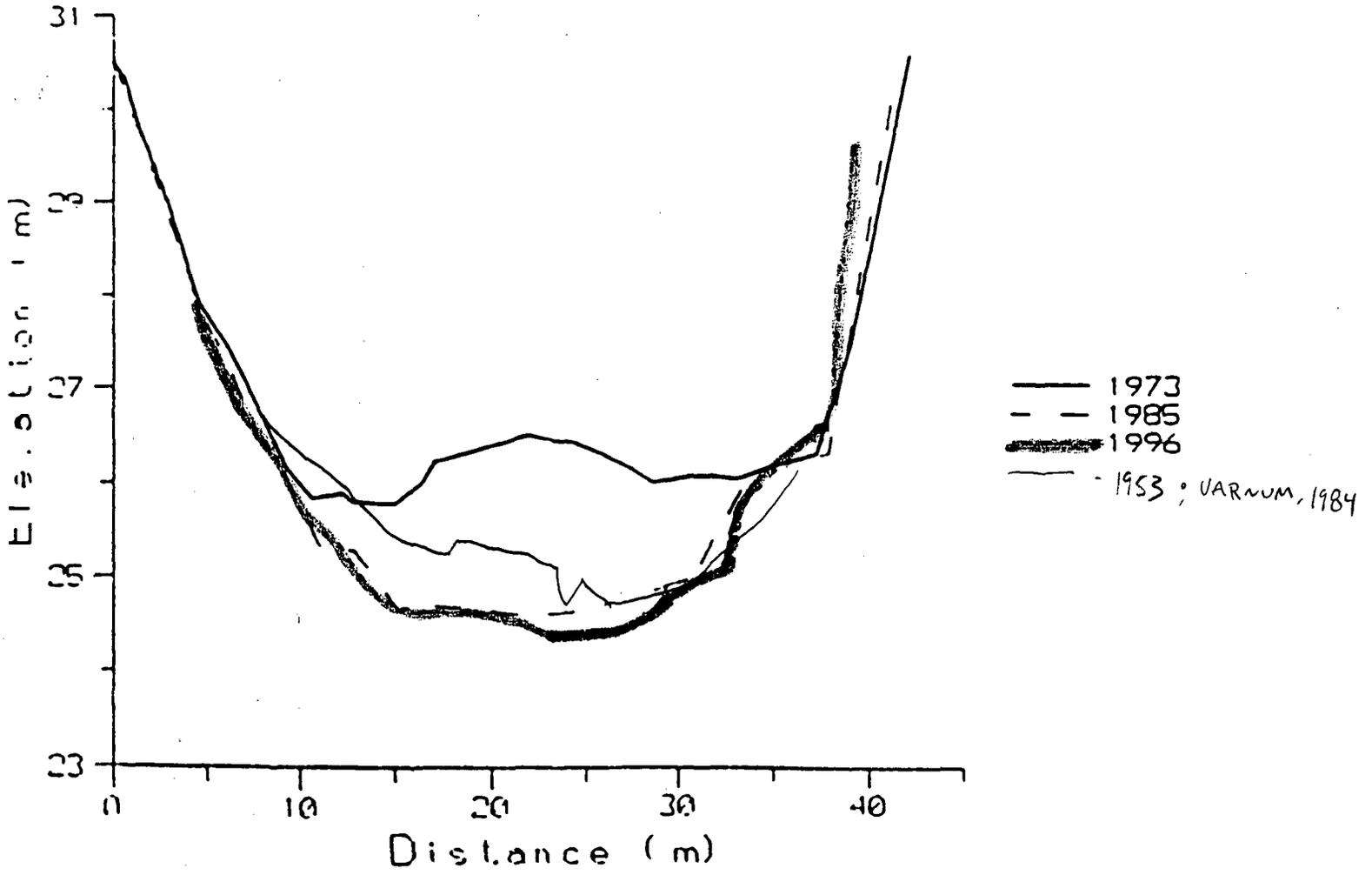


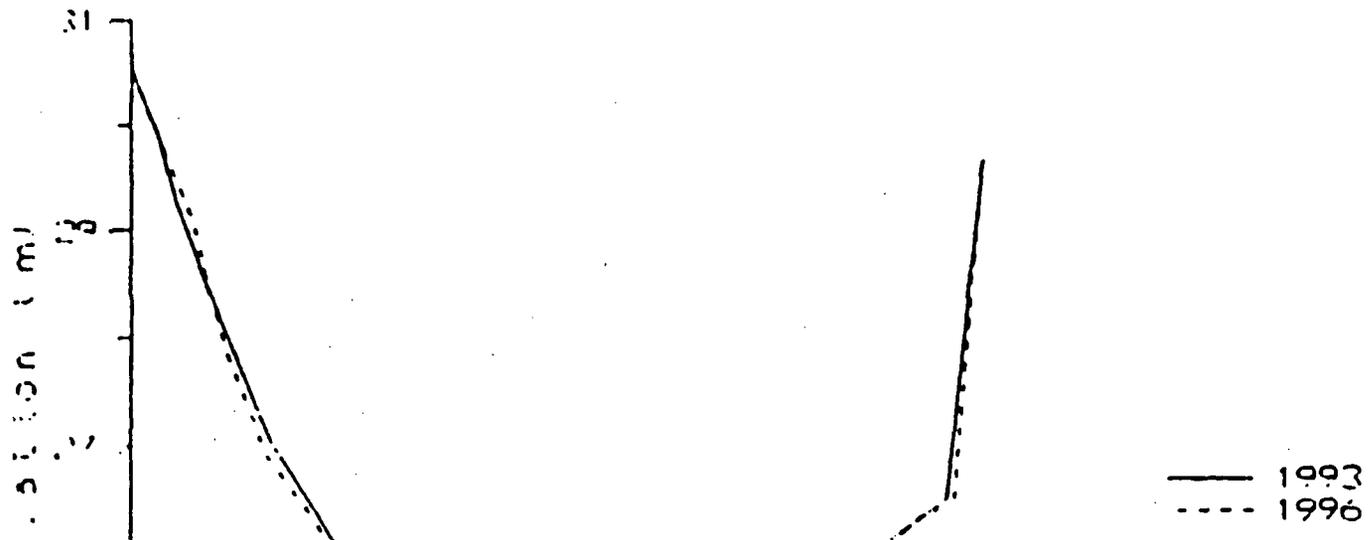
Figure 9: Cross Section at the U.S.G.S. gaging station on Redwood Creek near Blue Lake. Cross sections at or above this location have shown persistent scour for nine years.

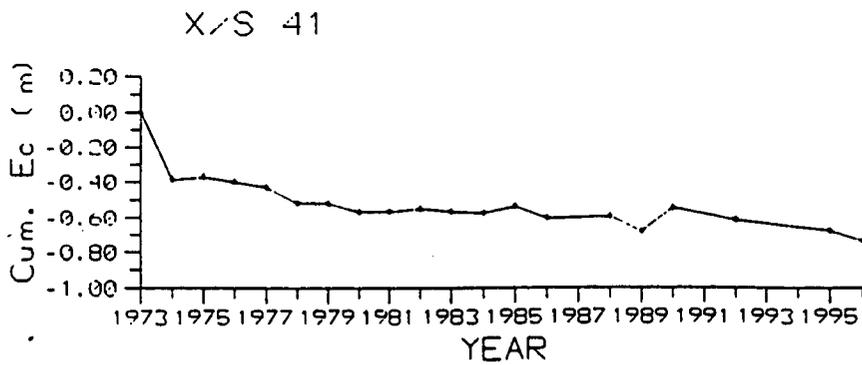
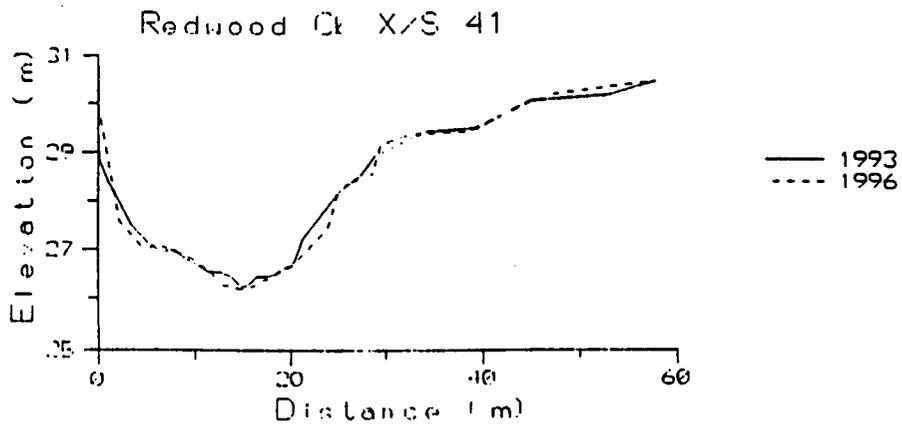
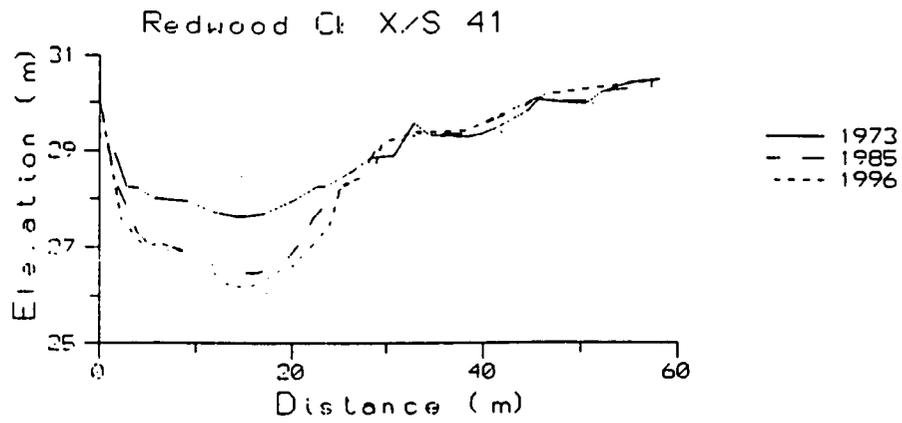
JARUM, 1984

Redwood Ct X/S 40

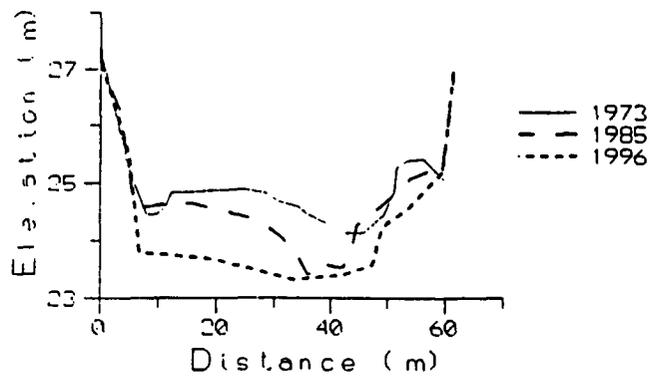


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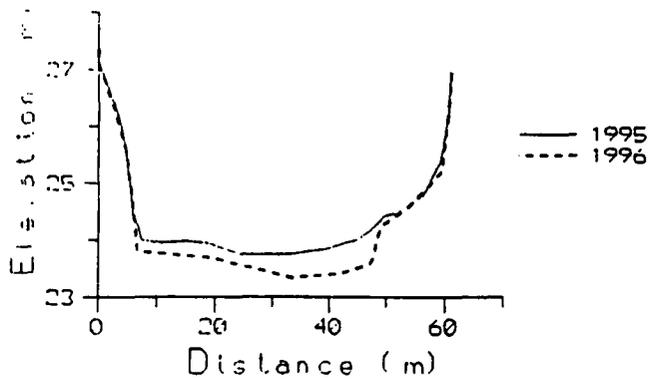




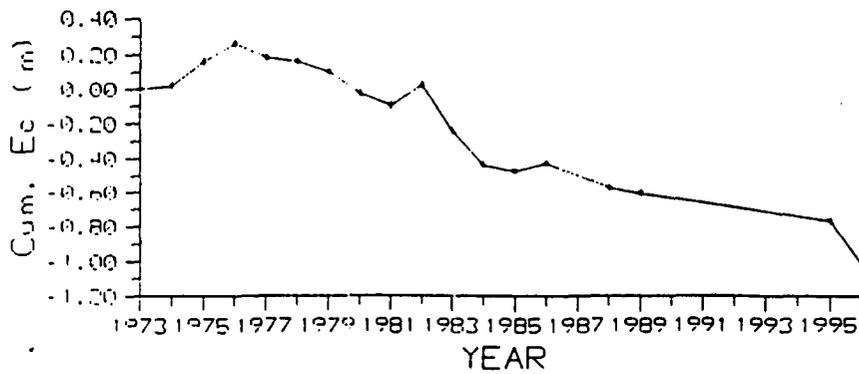
Redwood Ct X/S 20



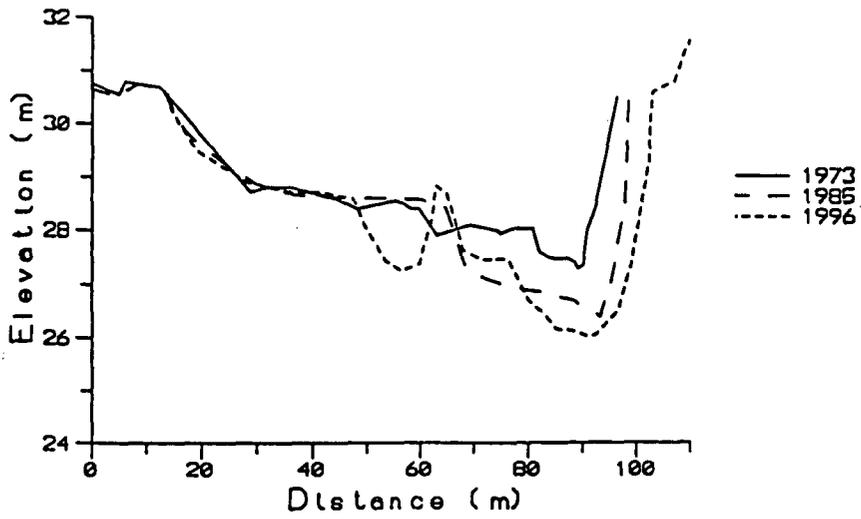
Redwood Ct X/S 20



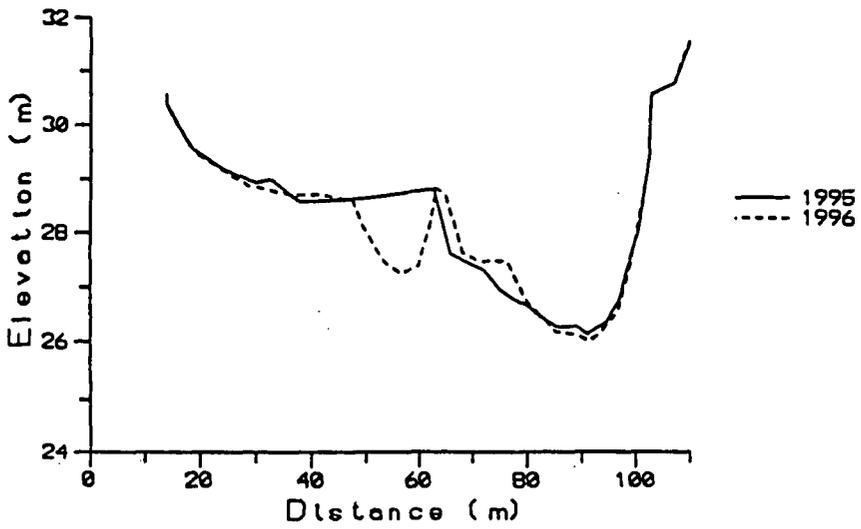
X/S 20



Redwood Ct X/S 34



Redwood Ct X/S 34



X/S 34

